

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 - 43 (previously canceled)

44. (previously added) An isolated polynucleotide comprising:

(a) a nucleotide sequence encoding a polypeptide having the activity of cysteinyl-tRNA synthetase, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:10 have at least 80% identity based on the Clustal alignment method, or

(b) the complement of the nucleotide sequence.

45. (previously added) The polynucleotide of claim 44, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:10 have at least 85% identity based on the Clustal alignment method.

46. (previously added) The polynucleotide of claim 44, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:10 have at least 90% identity based on the Clustal alignment method.

47. (previously added) The polynucleotide of claim 44, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:10 have at least 95% identity based on the Clustal alignment method.

48. (previously added) The polynucleotide of claim 44, wherein the nucleotide sequence comprises the nucleotide sequence of SEQ ID NO:9.

49. (previously added) The polynucleotide of claim 44, wherein the polypeptide comprises the amino acid sequence of SEQ ID NO:10.

50. (previously added) A chimeric gene comprising the polynucleotide of claim 44 operably linked to a regulatory sequence.

51. (canceled)

52. (previously added) A method for transforming a cell comprising transforming a cell with the polynucleotide of claim 44.

53. (previously added) A cell comprising the chimeric gene of claim 50.

54. (previously added) A method for producing a plant comprising transforming a plant cell with the polynucleotide of claim 44 and regenerating a plant from the transformed plant cell.

55. (previously added) A plant comprising the chimeric gene of claim 50.

56. (previously added) A seed comprising the chimeric gene of claim 50.